

## DAIKIN-POLYFLON™ PTFE M-18

Daikin- *Polyflon*™ M-18 is a polytetrafluoroethylene virgin granular fine cut resin. This general purpose molding powder has been specifically designed for use in medium to large rod and billet compression molding applications.

Properties*	Units	Typical Value	Test Method
Bulk Density	g/L	490	ASTM D4894
Std Specific Gravity	---	2.152 - 2.167	ASTM D4894
Tensile Strength	MPa	40.0 - 60.0	JIS K6891
Elongation	%	300 - 450	JIS K6891
Breakdown Voltage	kV/0.1mm	11.0	ASTM D 149
Shrinkage	%	2.6 - 3.6	Daikin Method
Appearance	---	White Powder	Visual

\*Typical properties are not suitable for specification purposes.

### Safety & Handling

Daikin- *Polyflon*™ PTFE M-18 should be handled like other Daikin- *Polyflon*™ PTFE resins. When PTFE resins are heated to temperatures above 260°C, minor amounts of decomposition products are given off. These decomposition products may be harmful and inhalation of these fumes must be avoided. Ovens, process equipment and the working area must be adequately ventilated. For further information please refer to the safety data sheet for this product.

### Storage

Granular molding powders tend to form agglomerates easily; therefore, do not store large quantities of powder in deep containers; avoid strong vibrations and shock. Storage at temperatures above 19°C tends to promote agglomerate formation. Should agglomerates form, keep the powder at less than 19°C (ideally 15°C or below) for two days then sift through a coarse screen and allow to come to room temperature before molding.